**Wesley Meade:**

For this project I was nominated as the “team lead” for the project. For the first iteration it was decided that we would attempt to get as much done as we possibly could and at as high a quality as we could manage within the given time period. My reasoning behind suggesting this method is so that the future iterations can add less important features and be spent perfecting and polishing the site, so it is as high quality as possible. So far, this methodology has went exactly as plan and we now have a site that is about 70% complete feature wise before entering iteration two.

As for the division of labour we decided to split the work out based on our capabilities, which resulted in myself doing some of the more “bespoke” features. This method of devising labour has been reimagined for the next iteration and tasks have been set evenly as fair as possible for each member. If my assistance with anything my teammates are stuck with is required, I am happy to assist.

**Cart:**

One of the features I worked on was the cart, it is a session-based cart the same as the previous cart the main difference is with the products being added to the cart. Unlike the cart in our previous project instead of having a product and a quantity of that product each server added to the cart is a unique instance of that server. Which caters nicely for creating the rental for that server when payment is made, and this also made integrating customized servers much easier.

**Payment System:**

The second feature that I worked on was the payment system which had a custom front end and a stripe backend. The front end gives the user the ability to input their debit/credit card information, then they may pay with that information, pay and save that information or pay with an existing saved card. Their card details are saved to the database however the card number and card CVC is encrypted using symmetric encryption with a 32-byte key for security this feature works very well. When using the pay with existing card feature their payment details are decrypted however the client never receives the payment details except for the last four digits of the card number so it is secure. When the payment is made a new rental with a unique ID is created using a unique ID generator and the server is moved from unrented servers to rented servers and removed from the user’s cart.

**Homepage:**

I finished off the design and implementation of the main page of the site writing the custom CSS for the page, and the basic view that returns a list of the four prebuilt options we have available.

**Customize Servers:**

I aided Gracjan throughout the implementation of customize servers and solved an issue involving motherboards and CPU’s

**Models:**

I designed and implemented all database models for the site.

All in all, iteration one was a very productive iteration and I am thoroughly looking forward to the next one.